BEST AVAILABLE COPY

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

, 5



(43) International Publication Date 1 September 2005 (01.09.2005) PCT (10) International Publication Number WO 2005/079285 A3

- (51) International Patent Classification: E04B 1/82 (2006.01) E04B 1/84 (2006.01)
- (21) International Application Number:

PCT/US2005/004309

(22) International Filing Date:

11 February 2005 (11.02.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/544.938

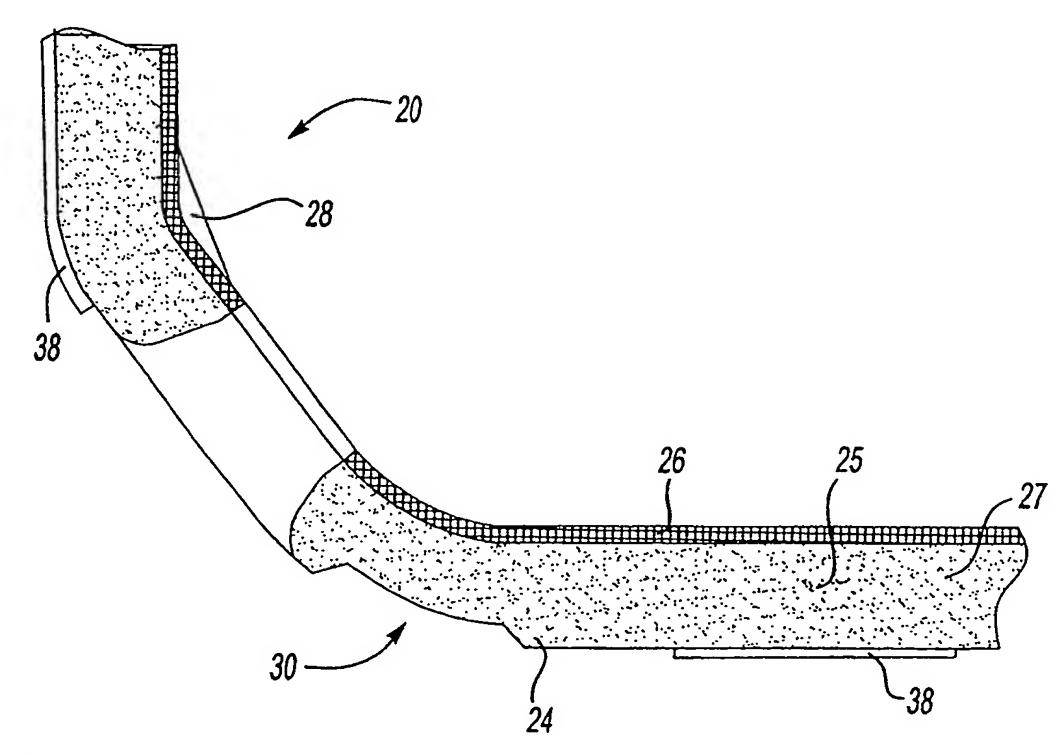
13 February 2004 (13.02.2004) US

- (71) Applicant (for all designated States except US): BBi ENTERPRISES, L.P. [US/US]; 36800 Woodward Avenue, Bloomfield Hills, MI 48304 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BROWN, Steven, G. [GB/US]; 767 Harmon, Birmingham, MI 48009 (US). BOITUS, Guy, W. [US/US]; 1500 West Cranbrook Road, Bloomfield, MI 48301 (US). BILLY, Trevor [CA/CA];

- 112 Scottsdale Drive, Guelph, Ontario N1G 2K8 (CA). TOHME, Elie [US/US]; 48764 Boardwalk, Macomb Township, MI 48044 (US).
- (74) Agents: DEGRAZIA, Gregory, D. et al.; Howard & Howard Attorneys, PC, 39400 Woodward Avenue, Suite 101, Bloomfield Hills, MI 48304-5151 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: LIGHT WEIGHT NOISE ABSORPTION SYSTEM



(57) Abstract: A noise absorption assembly (20) has a first layer (24) and second layer (26) adhered to the first layer. The first is formed from a polymeric fibrous material that includes mixture of first and second fiber (25, 27) for absorbing the transmission of sound. The second layer (26) is formed form a non-woven polymeric material for providing a barrier to prevent the transmission of sound.

BEST AVAILABLE COPY

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report: 26 May 2006

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.